## **VALVE LEAK DETECTING METHOD**

Publication number: JP62080535 Publication date: 1987-04-14 Inventor:

Applicant:

ISHIKAWAJIMA HARIMA HEAVY IND

Classification:

- international:

G01M3/24; G01M3/24; (IPC1-7): G01M3/24

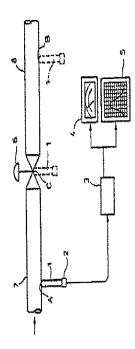
G01M3/24 - European:

Application number: JP19850220982 19851003 Priority number(s): JP19850220982 19851003

Report a data error here

## Abstract of JP62080535

PURPOSE: To detect a slight leak of liquid in a valve with high reliability by a simple device through easy operation by estimating the acoustic level of a valve installation part, and comparing the estimated value with the measured acoustic level of the valve installation part. CONSTITUTION:A noninsertion type acoustic device consists of a probe 1 which is applied tt a measurement position to take acoustic measurement, a transducer 2, a detector 3 which incorporates an amplifier and a filter, an indicator 4, a recorder 5, etc. Then, acoustic measurement is taken at position a A and B which are at distance 3D-5D (D=internal pipe diameter) from a valve 6 between upstream-side piping 7 and downstream-side piping 8 and acoustic levels at the valve installation part C (at the valve body 6 or at distance <= 2.5 D from the center of the valve 6) are estimated at those two points from the measured values. Then, acoustic measurement is taken at the valve installation part C and it is decided that there is a leak if there is a significant error larger than a prescribed value between the measured value and the estimated acoustic level.



Data supplied from the esp@cenet database - Worldwide